

Appl. No. : 09/871,752
Filed : June 1, 2001

AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~.

1 (currently amended): An ozone indicator comprising at least (1) a color-change layer comprised of an ozone sensitive ink and (2) an overcoat layer formed on part or the whole of the surface of said color-change layer, wherein the ozone sensitive ink comprises an anthraquinone dye and a cationic surfactant wherein the cationic surfactant is a quaternary ammonium salt.

2 (currently amended): The ozone indicator according to Claim 1 wherein ~~the ozone sensitive ink contains an~~ the anthraquinone dye ~~having~~ has at least one amino group species selected from the class consisting of primary and secondary amino groups.

3 (canceled)

4 (currently amended): The ozone indicator according to Claim ~~3~~ 1 wherein ~~the cationic surfactant of the quaternary ammonium salt type~~ is an alkyltrimethylammonium salt.

5 (original): The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains an extender.

6 (original): The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains a resinous binders.

7 (original): The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains a color component which does not change color in an ozone atmosphere.

8 (original): The ozone indicator according to Claim 1 wherein the overcoat layer comprises a film-forming polymer.

9 (currently amended): The ozone indicator according to Claim 8 wherein the film-forming ~~resin~~ polymer is at least one species of water soluble polymer.

10 (original): The ozone indicator according to Claim 1 wherein the overcoat layer does not contain a coloring agent.

11 (withdrawn): A method of measuring ozone concentration which comprises disposing the ozone indicator claimed in Claim 1 in an ozone atmosphere and calculating a CT value from the color difference or the size of color-change zone resulting from color change of the color-change layer.

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12 (withdrawn): The measuring method according to Claim 11 wherein the concentration of ozone in the ozone atmosphere is not less than 1000 ppm.

13 (new): The ozone indicator according to Claim 8 wherein the film-forming polymer is selected from the group consisting of carboxymethylcellulose, hydroxyethylcellulose, polyvinyl alcohol, polyethylene glycol and polypropylene glycol.

14 (new): An ozone indicator comprising at least (1) a color-change layer comprised of an ozone sensitive ink and (2) an overcoat layer formed on part or the whole of the surface of said color-change layer, wherein the ozone sensitive ink comprises a color component which does not change color in an ozone atmosphere.

15 (new): An ozone indicator comprising at least (1) a color-change layer comprised of an ozone sensitive ink, (2) a color-unchanged layer comprised of a color component which does not change color in an ozone atmosphere, and (3) an overcoat layer formed on part of or the whole of the surface of said color-change layer, wherein the color-change layer and the color-unchanged layer are configured to show the color-unchanged layer when color of the color-change layer changes.

16 (new): The ozone indicator according to Claim 15, wherein the color-unchanged layer is formed in a character, a pattern, and a symbol.